

02/16/99

JCS25 US PTO

Please type a plus sign (+) inside this box → ☒

PTO/SB/05 (12/97)

Approved for use through 09/30/00. ONB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney docket No. CY-99006

Total Pages 21

First Named Inventor or Application Identifier

Keith R. Barker

Express Mail Label No.

EJ323782799US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 10]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to Microfiche Appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 2]
4. Oath of Declaration [Total Pages 2]  
a. ☒ Newly executed (original copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath of declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
a. ☐ Computer Readable Copy  
b. ☐ Paper Copy (identical to computer copy)  
c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1448 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Small Entity ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Certificate of Express mailing

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Reissue ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME	Joyce E. Kosinski				
ADDRESS	Loral Space and Communications, Ltd. 655 Deep Valley Drive, Suite 303				
CITY	Rolling Hills Estates	STATE	CA	ZIP CODE	90274
COUNTRY	USA	TELEPHONE	(310) 265-9585	FAX	(310) 265-9545

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PATENT  
CY-99006



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Keith R. Barker et al. : Date: February 16, 1999  
Serial No. : Group Art Unit:  
Filed: : Examiner:  
For: Rain Fade Mitigation in a Data Transmission : Batch No.:  
System

**CERTIFICATE OF MAILING  
UNDER 37 CFR 1.10**

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**Identification of Transmitted Papers**

Utility Patent Application Transmittal form, patent application comprising ten (10) pages plus a cover page, two (2) sheets of drawing, Combined Declaration and Power of Attorney form, Fee Transmittal Letter in duplicate, Assignment for recording, Recordation form cover sheet (PTO-1595), cheque in the amount of \$878.00, and return receipt postcard

---

**CERTIFICATION OF EXPRESS MAIL DEPOSIT**

"EXPRESS MAIL" MAILING LABEL NO. EJ323782799US

DATE OF DEPOSIT - February 16, 1999

---

I hereby certify that the above-identified correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, under 37 CFR 1.10, on the date indicated above and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Kenneth W. Float  
Reg. No. 29,233

The Law Offices of Kenneth W. Float  
Office Address: 2 Shire, Coto de Caza, CA 92679  
Mailing Address: PO Box 80790, Rancho Santa Margarita, CA 92688  
Telephone: (949) 459-5519  
Facsimile: (949) 459-5520

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
FEE TRANSMITTAL LETTER

February 16, 1999

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231



Sir:

Transmitted herewith for filing the patent application, including two (2) sheet(s) of drawing,  
of inventor(s): Keith R. Barker et al.  
for: Rain Fade Mitigation in a Data Transmission System

Applicant is a small entity ☐; large entity ☒

The filing fee for this application is calculated below:

FOR:	CLAIMS AS FILED	RATE		TOTAL
Basic Fee		\$ 760.00	=	\$ 760.00
Total Claims	18 - 20 = 0 times	\$ 18.00	=	\$ 0.00
Independent Claims	4 - 3 = 1 times	\$ 78.00	=	\$ 78.00
Multiple Dependent Claims	0 times	\$ 260.00	=	\$ 0.00
TOTAL FILING FEE				\$ 838.00
Assignment Recording Fee	1 times	\$ 40.00	=	\$ 40.00
<b>TOTAL FEES</b>				<b>\$ 878.00</b>

A cheque in the amount of \$ 878.00 is enclosed with this Application Transmittal Letter to cover the filing fees. This form is submitted in duplicate.

Respectfully submitted

Kenneth W. Float  
Reg. No. 29,233

The Law Offices of Kenneth W. Float  
Office address: 2 Shire, Coto de Caza, CA 92679  
Mailing address: P. O. Box 80790, Rancho Santa Margarita, CA 92688  
Telephone: (949) 459-5519  
Facsimile: (949) 459-5520